

PUJAN SHRESTHA

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Location: New Baneshwor, Kathmandu

GitHub: github.com/Pujansthal

PROFESSIONAL SUMMARY

AI/ML and DevOps enthusiast focused on applying machine learning and cloud-based data workflows to real-world problems. Interested in model building, automation, and scalable systems. Recently completed an MSc in Data Science and Computational Intelligence, with hands-on experience from academic projects, internship, and independent learning.

SKILLS

Languages & Tools: Python, SQL, R, Pandas, NumPy, Scikit-learn, PySpark, MLlib

Machine Learning: Regression, Classification, Deep Learning (CNN), Feature Engineering

Cloud & Platforms: AWS (Lambda, S3), Databricks, Snowflake

Visualization: Tableau, Matplotlib, Seaborn

Frameworks: Django, Tkinter

PROFESSIONAL EXPERIENCE

Data Engineer (Intern) – Techkraft, Lalitpur

Jan 2024 – Jun 2024

- Built ETL pipelines with PySpark and Databricks.
- Automated workflows using AWS Lambda and S3.
- Worked with multiple data formats (Parquet, JSON, CSV).

AWS Solutions Architect Apprentice – Adex Nepal Ltd

Jan 2025 – Mar 2025

- Completed a 3-month apprenticeship focused on AWS Solutions Architect Associate (SAA-C03).
 - Practiced designing cloud solutions using AWS services like EC2, RDS, IAM, and VPC.
 - Gained hands-on experience deploying scalable and secure systems on AWS.
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PROJECTS

- Forecasting Inflation in Nepal (2000–2023):** Combined time series and ML models (ARIMA, XGBoost) to predict inflation. Engineered features from economic data and evaluated models with RMSE, MAPE.
 - University Ranking Analysis:** Used PySpark to process ranking datasets, built ML models using MLlib and scikit-learn.
 - Autism Prediction Pipeline:** Built an end-to-end ML pipeline from EDA to model evaluation. Applied logistic regression, decision trees, and ensemble methods.
 - Pneumonia Detection from X-rays:** Used CNN, ResNet50, DenseNet for image classification. Focused on data preprocessing, model tuning, and evaluation.
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EDUCATION & CERTIFICATIONS

MSc. Data Science and Computational Intelligence

Softwarica College of IT & E-commerce, Kathmandu | Mar 2023 – June 2025

AWS Certified Solutions Architect – Associate (SAA-C03) - April 2025

AWS Academy Cloud Foundations - Feb 2024

Python with Data Science – Deerwalk College - Nov 2021 – Feb 2022